Super Thermal Power Station of NTPC

122. SHRIMATI CHANDRIKA ABHINANDAN JAIN; Will the Minister of POWER be pleased to state;

(a) what is the number of power projects undertaken by National Thermal Power Corporation for execution of Super Thermal Power Stations alongwith aggregate approved capacity of each power station;

(b) what is the estimated cost of each power station with names and capacity of each power project in MW alongwith scheduled date of their commissioning:

(c) what are the details of the projects of the NTPC under implementation in the country as on 31st March. 1994;

(d) whether the output of these power stations will enable the country to meet its demand on completion of these power stations; and

(e) if so. the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI URMILABEN CHIMANBHAI PATEL); (a) to (c) The National Thermal Power Corporation (NTPC) has taken up implementation of ten coal- based and five gas-based combined cycles power projects. The aggregate approved capacity of these stations, latest approvedjestimated cost and acuallanticipated commissioning schedule are indicated in the enclosed statement. *(See* below)

(d) and (e) No, Sir. Generation from NTPC power stations supplements the power demand of the country to a large extent.

Statement

Details of NTPC Projacts

A. *COMPLETED PROJECTS*

Name of the Project	Capacity in MW Approved	Actual/Expected date of commissioning	Approved cost excluding associated TL system (Rs. Crores)
Singrauli STPP, Uttar Pradesh	2000	Unit– 1 (200) Feb. 1982	1118.88
	Stage -I	Unit– 2 (200) Nov. 1982	
	(3X200)	Unit– 3 (200) Mar. 1983	
	Stage -II	Unit– 4 (200) Nov. 1983	
	(2X200+	Unit– 5 (200) Feb. 1984	
	2X500)	Unit– 6 (500) Dec. 1986	
		Unit– 7 (500) Nov. 1987	
Korba STPP, Madhya Pradesh	2100	Unit– 1 (200) Mar. 1983	1625.25
	Stage -I	Unit– 2 (200) Oct. 1983	
	(3×200+	Unit– 3 (200) Mar. 1984	
	1×500)	Unit– 4 (500) May. 1987	
	Stage -II	Unit– 5 (500) Mar. 1988	
	(2×500)	Unit– 6 (500) Mar. 1989	

Name of the Project	Capcity in MW Approved	Actual/Expected date of commissioning	Approved co excluding Associated TL+ system (Rs. Crorse)
Ramagundam STPP, Andhra Pradesh	2100 Stage-I (3×200+ 1×500) Stage-II (2×500)	Unit– 1 (200) Nov. 1983 Unit– 2 (200) May, 1984 Unit– 3 (200) Dec. 1984 Unit– 4 (500) Jun. 1988 Unit– 5 (500) Mar. 1989 Unit– 6 (500) Oct. 1989	2059.
Farakka STPP, West Bengal	2100 Stage-I (3×200) Stage-II* (2×500) Stage-III (1×500)	Unit– 1 (200) Jan. 1986 Unit– 2 (200) Dec. 1986 Unit – 3 (200) Aug. 1987 Unit– 4 (500) Sep. 1992 Unit– 5 (500) Feb. 1994 Unit–6 (500)@	2804. 67
Vindhyachal STPP, Madhya Pradesh	1260 Stage-I (6×210)	Unit –1 (210) Oct. 1987 Unit –2 (210) Jul. 1988 Unit – 3 (210) Feb. 1989 Unit – 4 (210) Dec. 1989 Unit – 5 (210) Mar. 1990 Unit – 6 (210) Feb. 1991	1460. 37*
Rihand STPP, Utter Pradesh	1000 (2×500)	Unit –1 (500) Mar. 1988 Unit –2 (500) Jul. 1989	2387. 40
National Capital Thermal Power Proj ct (Dadri) Uttar Pradesh	1840 Stage-I (4x270)	Unit –1 (210) Oct. 1991 Unit –2 (210) D c. 1992 Unit –3 (210) Mar. 1993 Unit–4 (210) Mar. 1994	1063. 60*
Unchahar TPP, Uttar Pradesh	420 Stage-I (2×210)	Unit–1 (210) Nov. 1988 Unit–2 (210) Mar. 1989	925. 00
Anta GBPP, Rajasthan	413 Stage-I (3x88+ 1x149)	Gas Turbine Unit– 1 (88) Jan. 1989 Unit– 2 (88) Mar. 1989 Unit –3 (88) May. 1989 Steam Turbine Unit –4 (149) Mar. 1990	418. 97
Auraiya GBPP, Uttar Pradesh	652 Stage-I (4x112+ 2x102)	Gas Turbine Unit—1 (112) Mar. 1989 Unit—2 (112) Jul. 1989 Unit—3 (112) Aug. 1 89 Unit—4 (112) Sep. 1989 Steam Turbine Unit—5 (102) Dec. 1989 Unit—6 (102) Jun. 1990	678· 77
Kawas GBPP, Gujarat	645 Stage-I (4x106+ 2x110· 5)	Gas Turbine Unit—1 (106) Mar. 1992 Unit—2 (106) May, 1992 Unit—3 (106) Jun. 1992 Unit—4 (106) Aug. 1992	373· 98*

1	2	3	4
		Steam Turbine Unit—5(110·5) Feb. 1993 Unit—6 (110·5) Mar. 1993	
Dadri GBPP, Uttar Pradesh	917 Stage-I (4x131+2x146·5)	Gas Turbine Unit—1 (131) Feb. 1992 Unit—2 (131) Mar. 1992 Unit—3 (131) Jun. 1992 Unit—4 (131) Oct. 1992	960·35
		Steam Turbine Unit—5 (146·5) Feb. 1994 Unit—6 (146.5) Mar. 1994	
B. ONGOING PROJECTS			
Kahalgaon STPP, Bihar	840 Stage-I (4x210)	Unit—1 (210) Mar. 1992 Unit—2 (210) Mar. 1994 Unit—3 (210) Mar. 1995 Unit—4 (210) Jun. 1996	1715·89
Talcher STPP, Orissa	1000 Stage-I (2x500)	Unit—1 (500) Feb. 1995 Unit—2 (500) Nov. 1995	1404·04*
Gandhar GPP, Gujarat	648 (3x131+1x255)	Gas Turbine Unit—1—(131) Mar. 1994 Unit—2 (131) Mar. 1994 Unit—3 (131) May, 1994	2500·00
		Steam Turbine Unit—4 (255) Sep. 1995	

M. NEW PROJECTS

Name of Project	Proposed capacity in MW	Latest cost excluding associated TL+system (Rs. Crores)
Vindhyachal-II . . .	1000 (2x500)	2753·38
Unchahar-II . .	420 (2x210)	1279·51
Faridabad GBPP-I . .	400	1270·27
Kayamkulam . . .	400	1370·58

* Cost is under revision. DPR/RCE submitted for approval.
@ The project not taken op due to loW demand of electricity in gastera Region.
\+ Transmission Line

STPP— Super Thermal Power Project.
GBPP— Gas Based Power Project.
TPP— Thermal Power Project.
GPP— Gas Power Project.

RCE— Revised Cost Estimate.

DPR— Detailed Project Report.